

The mathematics program presents concepts that are introduced, developed or mastered throughout the elementary school years. Repetition throughout the year is needed to reinforce and build upon previously learned concepts. Problem solving is incorporated throughout the school year through each topic area.

Things you can do at Home to Support your Student

Parental Support

- Promote school attendance
- Support student responsibility
- Encourage mathematic awareness
- Participate in the educational process
- Communicate with the school

“Communication begins at home”

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Manchester School District

A Parent's Guide to Elementary School Mathematics Curriculum



GRADE TWO

**Manchester School District
286 Commercial St.
Manchester, NH 03101**

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Elementary School Mathematics

Grade 2

Trimester 1

EM-Units 1, 2, 3, 4

Number and Operations

- Identify, recognize, order and compare numbers 0-199
- Place value: ones, tens, hundreds
- Compare whole numbers by 100 more, 100 less, greater than ($>$), less than ($<$), equal to ($=$)
- Addition and subtraction of whole numbers without regrouping
- Fact Families
- Number properties (even + even = even, odd + odd = even, even + odd = odd, odd + even = odd)
- Field Properties (identity & commutative)
- Add mixed coins up to \$1.00

Geometry and Measurement

- Review time to the hour and half-hour (60 min. = 1 hour)
- Read a thermometer (to one degree)

Functions and Algebra

Data, Statistics and Probability

- Collect, record, interpret and analyze data to draw conclusions (pictographs, line plots, tally charts and tables)

Trimester 2

EM-Units, 5, 6, 7, 8

Number and Operations

- Connect numbers to quantities using pictures, models and words
- Identify and represent fractions (halves, thirds and fourths) using models, explanations and other representations
- Addition and subtraction up to 199 (including regrouping)
- Mentally add or subtract by 10
- Estimate 0-50
- Field Properties-(associative for addition)
- Introduce multiplication and division using models and other representations

Geometry and Measurement

- Sort and classify polygons (triangles, squares, rectangles, rhombuses, trapezoids, hexagons) circles and objects by more than one characteristic
- Line symmetry
- Congruency

Functions and Algebra

- Patterns (find the missing element, identify the next element)
- Make an open addition or subtraction sentence true ($3 + \underline{\quad} = 5$, $7 - \underline{\quad} = 2$)

Data, Statistics and Probability

- Analyze patterns, trends and distributions in data
- Use counting techniques to organize information

Trimester 3

EM-Units 9, 10, 11, 12

Number and Operations

- Addition and subtraction of whole numbers with regrouping
- Make change from \$1.00
- Add mixed coins up to \$1.99
- Mentally add and subtract numbers to 20

Geometry and Measurement

- Area
- Perimeter
- Time to the quarter hour
- Elapsed time in whole hour increments
- Measurement: length including inch, foot, centimeter, meter
- Maps and diagrams: describe objects by location and position in 2- and 3-dimensional situations

Functions and Algebra

Data, Statistics and Probability

- Probability (more likely, less likely, equally likely, certain, or impossible)